Index of Claims

| Appli | ication/ | Control | No. |
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10/524,926

Examiner

Applicant(s)/Patent under Reexamination

WUNDERLICH-WIPPERT ET

AL.

Art Unit

**David Buttner** 

Date

1712

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Claim

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| Cla        | aim                             | Date     |          |          |                |                |  |          |          |          |  |  |
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| Final      | Original                        | 19/67    |          |          |                |                |  |          |          |          |  |  |
| ίĒ         |                                 | p.s      |          |          |                |                |  |          |          |          |  |  |
| 1          | 1<br>3<br>4<br>5<br>6<br>7<br>9 | =        |          |          | _              |                |  |          |          |          |  |  |
| 3346       | 2                               | _        | _        | ├        |                | ├-             | ├-   | _        | $\vdash$ | -        |  |  |
| 7          | 3                               | 1/1      | -        | ┢        | <u> </u>       | ⊢              | ⊢  | -        | ├        | -        |  |  |
| 7          | 5                               | =        | $\vdash$ | ⊢        |                | ┝              | $\vdash$   | -        | -        | ╁        |  |  |
| 7          | 6                               | =        | ┢        | ┢        | -              | ╁              | ├  | -        | ├        | ╁        |  |  |
| 7          | 7                               | ~        | $\vdash$ | ┢        | <del>  -</del> | <del>  -</del> | ╁╾   | $\vdash$ | ╁        | ┢        |  |  |
|            | 8                               |          |          | 厂        | _              | T              | 1  | -        | $\vdash$ | $\vdash$ |  |  |
| 80 78      | 9                               | =        |          |          |                |                |  |          |          |          |  |  |
| 10         | 10                              | =        |          |          |                |                |  |          |          |          |  |  |
| 7          | 11                              | =        |          | L        | L              | L.             | L  | <u>_</u> |          | L        |  |  |
| <b>D</b> _ | 12                              | =        | <u> </u> | _        | <u> </u>       | _              | ├  | _        | <u> </u> | <u> </u> |  |  |
|            | 13                              | <u> </u> | ┡        | 1        | $\vdash$       | -              | <u> </u>   | 1        | ⊢        | $\vdash$ |  |  |
|            | 15                              | -        | -        | ╁        | -              |                | ╁  | ├        | ⊢        | $\vdash$ |  |  |
| _          | 15<br>16<br>17                  | 1        | $\vdash$ | -        | -              | _              | ┢  | $\vdash$ | ⊢        | ⊢        |  |  |
|            | 17                              |          | -        | ┢        | ├              | -              | $\vdash$   | ┢        | ╁        | ╁        |  |  |
|            | 18                              |          | $\vdash$ | 一        | $\vdash$       | H              | ╁  |          | ╁        | $\vdash$ |  |  |
|            | 18<br>19                        |          |          | $\vdash$ |                |                | $\vdash$   | H        | T        |          |  |  |
|            | 20                              | Г        |          | $\vdash$ | $\vdash$       |                | T  |          |          |          |  |  |
|            | 21<br>22                        |          |          |          |                |                |  |          |          |          |  |  |
|            | 22                              |          |          |          |                | L              |  |          |          |          |  |  |
|            | 23                              |          | L        | <u> </u> | <u> </u>       |                | L  |          | L_       | _        |  |  |
|            | 24<br>25                        | ļ        | <u> </u> | <u> </u> | <u> </u>       |                | _  | <u> </u> |          | ╙        |  |  |
|            | 25                              | <u> </u> | -        | <u> </u> | <u> </u>       | <u> </u>       | _  | <b> </b> |          | ╙        |  |  |
|            | 26                              | -        | -        | ⊢        | -              | ├              | ⊢  | <u> </u> | ├        | ├        |  |  |
|            | 27<br>28                        | -        | ┝        | -        | ├              | <del> </del> — | ⊢  | _        | ⊢        | $\vdash$ |  |  |
|            | 29                              | ⊢        | ⊢        | -        | ⊢              | $\vdash$       | ┝  | <u> </u> | $\vdash$ | -        |  |  |
|            | 29<br>30                        |          | ┢        | -        | -              | ╁              | $\vdash$   | $\vdash$ | ┢╌       | -        |  |  |
|            | 31                              |          |          | Т        |                | T              | <del>                                     </del> | ┢        |          |          |  |  |
|            | 32                              |          |          |          | Г              | $\vdash$       | $\vdash$   | $\vdash$ |          | T        |  |  |
|            | 33                              |          |          |          |                |                |  |          |          |          |  |  |
|            | 34                              |          |          |          | $\Box$         | L              |  | 匚        | 匚        |          |  |  |
|            | 35                              | L        | ļ        | L        | _              | L              | L  | L        | Ĺ        | L        |  |  |
|            | 36                              | <u> </u> |          | ⊢        | _              | L              | <u> </u>   | <u> </u> | ⊢        |          |  |  |
|            | 37                              |          | <u> </u> | <u> </u> | _              | <u> </u>       | ⊢  | ├-       | <u> </u> | <u> </u> |  |  |
|            | 38<br>39                        |          | -        | ⊢        | -              | ├              | ┝  | $\vdash$ | $\vdash$ | $\vdash$ |  |  |
| _          | 40                              | $\vdash$ | _        | $\vdash$ | -              | $\vdash$       | -  | $\vdash$ | $\vdash$ | ⊢        |  |  |
|            | 41                              |          | _        | -        | <del> -</del>  | $\vdash$       | $\vdash$   | $\vdash$ |          | -        |  |  |
|            | 42                              |          | -        |          | ┢              | $\vdash$       | -  | $\vdash$ | 一        | H        |  |  |
|            | 43                              |          |          | <u> </u> |                |                |  |          |          |          |  |  |
|            | 44                              |          |          |          |                |                |  |          |          |          |  |  |
|            | 45                              |          |          |          |                |                |  |          |          |          |  |  |
|            | 46                              |          | L        | <u>L</u> | <u>L</u>       |                | L  | $\Box$   | L        |          |  |  |
|            | 47                              | ldash    |          | L        | L              |                | oxdot  | L        | <u> </u> |          |  |  |
|            | 48                              | <u> </u> |          | <u> </u> | _              | <u> </u>       | <u> </u>   | _        | <u> </u> | _        |  |  |
|            | 49<br>50                        |          | _        | Н        | <u> </u>       | <u> </u>       | <u> </u>   | $\vdash$ | ⊨        | <u> </u> |  |  |
|            | 20                              |          |          |          |                |                |  |          |          |          |  |  |

|          |  | $\overline{}$ | _        |          |            |          |          |          |           |   | 1 1  |       |  |          |          |          |          |          | _        | _        |          |          |
|----------|--|---------------|----------|----------|------------|----------|----------|----------|-----------|---|------|-------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Final    | Original   | 19/67         |          |          |            |          |          |          |           |   |      | Final | Original                                     |          |          |          |          |          |          |          |          | •        |
| _        | 1  | 13            |          | _        | ┝          |          | -        |          |           | -   |      |       |  | H        |          |          | _        | -        | -        | $\vdash$ | H        | $\vdash$ |
|          | 2  | -             |          | _        | -          |          |          |          | $\vdash$  | -   | 1    |       | 51<br>52<br>53                               |          | Н        | _        | -        | -        | -        | $\vdash$ | Н        | $\vdash$ |
| ?        | 3  | 1             |          | _        | $\vdash$   | _        | _        | _        | $\vdash$  |   | 1    |       | 53   |          |          |          | _        | $\vdash$ |          |          | Н        | $\vdash$ |
|          | 4  | 'n            | -        | -        | $\vdash$   |          |          |          | ┢         | $\vdash$  | 1    |       | 54   | _        |          |          | _        | $\vdash$ |          |          | Н        | $\vdash$ |
| <u> </u> | 5  |               |          | $\vdash$ |            | $\vdash$ |          | _        | ┢         | $\vdash$  | ĺ    |       | 54<br>55<br>56                               |          |          |          |          |          |          |          |          |          |
| ,        | 5<br>6   | V )1          |          |          | _          |          |          |          | _         |   |      |       | 56   |          |          |          | _        | $\vdash$ | -        |          | $\vdash$ | П        |
|          | 7  | À             |          |          | -          | _        |          |          | $\vdash$  | $\vdash$  | 1    |       | 57<br>58<br>59                               |          |          |          |          | _        |          |          | П        |          |
| _        |  |               |          |          |            |          |          |          |           |   | i    |       | 58   | _        |          |          |          |          |          |          |          |          |
| L        | 9  | 7             |          |          |            |          |          |          |           |   |      |       | 59   |          |          |          |          |          |          |          | П        |          |
| 0        | 10   | ß             |          |          |            |          |          |          |           |   | ١. ا |       | 60   |          |          |          |          |          |          |          |          |          |
| V   O -  | 11   | 11 0          |          |          |            |          |          |          |           |   |      |       | 60<br>61<br>62<br>63<br>64<br>65             |          |          |          |          |          |          |          |          | $\Box$   |
| 5_       | 12   | ı             |          |          |            |          |          |          |           |   |      |       | 62   |          |          |          |          |          |          |          |          |          |
|          | 13   |               |          |          |            |          |          |          |           | L   |      |       | 63   |          |          |          |          |          |          |          |          |          |
|          | 13<br>14<br>15   |               |          |          |            | _        |          |          |           | $ldsymbol{le}}}}}}$ |      |       | 64   |          |          |          |          | L_       |          |          |          |          |
|          | 15   |               |          |          |            | <u> </u> |          |          |           | 乚   |      |       | 65   |          |          |          |          |          |          |          |          |          |
| _        | 16<br>17   |               |          |          | <u> </u>   | _        |          | _        | L         |   | Į 1  |       | 66<br>67<br>68                               | Ш        |          |          |          | L.       | _        |          |          | Ш        |
|          | 17   | Ш             |          |          | L          |          |          |          | <u> </u>  |   |      |       | 67   | L        |          |          |          |          |          |          |          | Щ        |
|          | 18   | Н             |          | _        |            |          | Щ        |          | <u> </u>  |   |      |       | 68   |          | _        |          |          |          |          |          | Ш        | $\Box$   |
|          | 19   | _             | _        | _        | <b> </b> _ | _        |          | _        | <u> </u>  |   | Į    |       | 69<br>70                                     | Ш        | -        | _        |          | _        |          | _        |          |          |
|          | 20   | _             | _        | _        | <u> </u>   | _        |          |          | <u> </u>  | _   |      |       | 70   |          |          |          |          | _        | _        |          |          |          |
|          | 21   | _             |          | _        | <u> </u>   | <u> </u> | <u> </u> | _        | <u> </u>  | _   |      |       | 71   | L        | -        | _        |          | L        | _        | Щ        |          | Ш        |
|          | 22   | -             |          | _        | <u> </u>   | <u> </u> | _        | _        | <u> </u>  | <u> </u>  |      |       | 72<br>73                                     | Щ        | $\dashv$ |          |          |          |          |          |          | Щ        |
| _        | 23   | _             |          | _        | <u> </u>   |          | _        |          | <u> </u>  | <u> </u>  |      |       | 73   | Ш        | $\dashv$ | _        |          |          |          |          |          | _        |
| _        | 25   |               |          |          | _          |          | _        | $\vdash$ | <u> </u>  | $\vdash$  |      |       | 74   | Н        |          |          |          |          |          |          |          |          |
| =        | 20   |               | -        | _        | $\vdash$   | -        |          |          | -         | ⊢   |      |       | 75<br>76                                     | Н        | -        | -        |          |          |          | _        |          |          |
|          | 27   | $\dashv$      | -        | -        |            | $\vdash$ | _        | _        | _         | _   |      |       | 77   | Н        |          | _        |          |          |          | _        |          | _        |
| $\dashv$ | 28   | $\dashv$      | -        |          | _          | $\vdash$ | _        | _        | _         |   |      |       | 77   |          |          |          |          |          | _        |          | -        |          |
|          | 20   | $\vdash$      | -        | -        |            | Н        | -        |          | $\vdash$  | _   |      |       | 70   | $\vdash$ | $\dashv$ | $\dashv$ |          |          | $\vdash$ | $\vdash$ | $\dashv$ | -        |
| $\dashv$ | 30   |               |          | -        |            | -        | Н        |          | _         |   |      | -     | 80   | Н        | $\dashv$ | -        | _        | -        |          | -        |          |          |
| $\neg$   | 31   | $\exists$     | $\neg$   |          | _          |          |          |          |           |   |      |       | 81   | Н        | $\dashv$ | $\dashv$ | _        | _        |          | $\vdash$ | $\dashv$ |          |
| $\neg$   | 32   |               |          |          |            |          | -        |          | _         | _   |      |       | 82   |          | $\dashv$ | $\dashv$ |          |          | -        | -        |          | $\dashv$ |
| $\neg$   | 33   | _             |          |          |            |          |          |          |           | -   |      |       | 83   | Н        | _        | -        | _        | -        |          |          |          | $\neg$   |
|          | 19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35 |               |          |          |            |          |          |          |           |   |      |       | 78<br>79<br>80<br>81<br>82<br>83<br>84<br>85 |          | 寸        | $\neg$   |          |          |          | $\neg$   | $\dashv$ | $\dashv$ |
| $\neg$   | 35   |               | 7        |          |            |          |          |          |           |   |      |       | 85   |          | $\neg$   |          |          |          |          | $\neg$   |          |          |
| $\neg$   | 36   |               |          |          |            |          |          |          |           |   |      |       | 86   |          |          |          |          |          |          |          | $\neg$   |          |
|          | 36<br>37<br>38<br>39<br>40   |               |          |          |            |          |          |          |           |   |      |       | 86<br>87                                     |          | $\neg$   |          |          |          |          |          |          |          |
|          | 38   |               |          |          |            |          |          |          |           |   |      |       | 88   |          |          |          |          |          |          |          |          |          |
|          | 39   |               |          |          |            |          |          |          |           |   |      |       | 89<br>90                                     |          |          |          |          |          |          |          |          |          |
| _        | 40   |               |          |          |            |          |          |          |           |   |      |       | 90   |          |          |          |          |          |          |          |          |          |
|          | 41<br>42   |               |          |          |            |          | _        | _        |           |   |      |       | 91<br>92                                     |          | _        | _        |          |          |          | $\Box$   |          | _        |
| _        | 42   |               |          |          |            |          | _        |          |           |   | ļ    |       | 92   |          | _        | _        |          |          |          |          |          | _        |
| _        | 43   |               | $\dashv$ |          |            |          | $\dashv$ |          |           |   | ٠    |       | 93   |          | _        | _        | $\Box$   |          | _        |          | _        |          |
|          | 44   |               | _        | _        | $\Box$     |          |          |          |           |   |      |       | 94   |          | _        | _        |          | $\Box$   |          | _        | 4        | _        |
| _        | 45   |               | -        | _        |            | $\Box$   |          | _        | Ш         |   |      |       | 95   |          | _        | _        | _        |          |          | _        |          |          |
|          | 46   | _             |          |          |            | <u> </u> | $\dashv$ | _        | $\square$ | _   |      |       | 96   | <u> </u> | _        |          | $\dashv$ | _        |          |          |          | _        |
|          | 47   | $\dashv$      | -        | -        | _          |          |          | $\dashv$ |           | $\vdash$  |      |       | 97   |          | _        | -        | _        | _        | _        |          |          | _        |
| -        | 48<br>49   | -             |          | $\dashv$ |            | -        |          | $\dashv$ | $\vdash$  | -   |      |       | 98   | $\vdash$ | -        |          | $\dashv$ | _        | $\dashv$ |          |          | $\dashv$ |
| $\dashv$ | 50   |               | $\dashv$ | $\dashv$ |            |          | -        | $\dashv$ | $\dashv$  |   | .    |       | 99   |          | $\dashv$ |          | $\dashv$ | $\dashv$ | _        |          |          | $\dashv$ |
|          | 30   |               |          |          |            |          |          |          | نـــ      | ш   | 1    |       | 100  |          |          |          |          | 1        |          |          |          |          |

|              |                   |          | <u> </u>     |          | _            |          |          |          | ]            |                 |
|--------------|-------------------|----------|--------------|----------|--------------|----------|----------|----------|--------------|-----------------|
| Cli          | aim               |          |              |          | _            | Date     | _        |          |              |                 |
|              |                   | $\vdash$ |              | Г        | <u>'</u>     |          | Ť        | Г        | Ι_           | М               |
| न            | Original          |          |              |          |              |          |          |          | 1            |                 |
| Final        | rigi              |          |              |          |              |          |          |          | l            |                 |
|              | 0                 |          |              |          |              |          |          | l        | ł            |                 |
|              | 101               | Г        |              |          |              | T        |          |          | Т            |                 |
|              | 102               |          |              |          |              |          |          |          |              |                 |
|              | 103<br>104        |          |              |          |              |          |          |          |              |                 |
|              | 104               | _        | L            | _        | <u> </u>     | 匚        |          |          | ┕            |                 |
|              | 105               | <u> </u> | _            |          | <u> </u>     | <u>L</u> | _        |          | <u> </u>     |                 |
|              | 106               | _        | <u> </u>     |          | <u> </u>     | <u> </u> | <u> </u> | L.,      | _            | Ш               |
| -            | 107               | _        | <del> </del> | -        | <u> </u>     | $\vdash$ | -        | _        | <del> </del> | $\vdash$        |
|              | 108               | _        | <u> </u>     |          | <del> </del> | ⊢        | <u> </u> | _        | -            | -               |
|              | 109<br>110        |          | $\vdash$     | -        | ├            | ├        | ⊢        | -        | ├            | Н               |
|              | 111               | -        | _            | ⊢        | ┢            | -        | ⊢        | -        | ┢            | Н               |
| <del> </del> | 112               | $\vdash$ | $\vdash$     | ┝        | -            | ╁        | $\vdash$ | ┢        | ┢╌           | Н               |
| H            | 112<br>113        | -        | _            | $\vdash$ | H            | ├-       | $\vdash$ | ┢        |              | Н               |
|              | 114               | П        |              | $\vdash$ |              | $\vdash$ | $\vdash$ | Г        | <del> </del> | Н               |
|              | 114<br>115        | П        |              | $\vdash$ | $\vdash$     |          | $\vdash$ | Г        | _            | М               |
|              | 116               |          |              |          |              |          |          |          |              | П               |
|              | 117               |          |              |          |              |          |          |          |              |                 |
|              | 118               |          |              |          |              |          |          |          |              |                 |
|              | 119               |          |              |          |              |          |          |          |              |                 |
|              | 120<br>121        |          |              |          |              |          |          |          |              |                 |
|              | 121               |          |              |          |              |          |          | <u> </u> | _            | Ш               |
|              | 122               |          |              |          | L.           |          | <u> </u> | _        |              | Ц               |
|              | 123<br>124        |          |              |          |              | _        | L        | <u> </u> |              | Ш               |
|              | 124               |          |              | _        |              | <u> </u> | L        | <u> </u> | <u> </u>     | Ш               |
|              | 125               |          |              | _        | _            | ⊢        | <u> </u> | <u> </u> | <b> </b> —   | Н               |
|              | 120               | -        | _            | _        |              | -        | ┡        | ⊢        | -            | Н               |
|              | 126<br>127<br>128 |          |              |          | -            |          | _        | _        |              | Н               |
|              | 129               |          |              |          | -            |          | _        |          | ├            | $\vdash$        |
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|              | 135               |          |              |          |              |          |          |          |              |                 |
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|              | 137               |          |              |          |              | $\Box$   |          | $\Box$   |              | Ш               |
|              | 138               |          |              |          | _            | <u> </u> |          |          | <u> </u>     | Щ               |
|              | 139               |          |              | _        | _            | $\vdash$ | <u> </u> | <u> </u> | _            | Ш               |
|              | 140               | Щ        | $\square$    |          |              | Н        | Ļ        | <u> </u> | <u> </u>     | Ш               |
|              | 141               |          |              |          | _            | Н        | H        | Η.       | <u> </u>     | $\vdash \vdash$ |
|              | 143               | -        | $\dashv$     | _        | _            | $\vdash$ | $\vdash$ |          | -            | $\vdash$        |
|              | 144               | $\dashv$ | $\dashv$     | _        |              |          | $\vdash$ | $\vdash$ | <u> </u>     | $\vdash \vdash$ |
|              | 145               | $\dashv$ |              | -        |              | Н        |          |          |              | Н               |
|              | 146               | $\neg$   | $\neg$       | -        |              | $\vdash$ |          |          | -            | Н               |
|              | 147               |          | $\neg$       | -        |              | Н        | $\vdash$ |          |              | $\dashv$        |
|              | 148               |          |              |          | _            | $\Box$   |          |          |              | $\dashv$        |
|              | 149               | $\neg$   |              |          |              |          | $\neg$   | $\neg$   | $\vdash$     | $\sqcap$        |
|              | 150               |          |              |          |              |          |          |          |              |                 |
|              |                   |          |              |          | _            |          |          | _        | _            |                 |